

QUA•RAE

HERE IS NEWS OF... THE RADIO ASSOCIATION OF ERIE, INC.

VOL. IV NO. III

MARCH 1973

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EDITOR

Robert E. Bair, WA3HDK

Contributors

Dave Maynard, WA3EZN
Mike Hall, WA3HSR
Chuck Manross, WA3KAI
Jerry Owen, K3KAP
Charles A. Bliley, K3NAU
Dick Shreeve, W3PIX
George Reiger, K3QHY
Bob Smith, K3WTZ

- March 8 - Repeater Committee - Mobile Radio Clinic
March 15 - K3HPL talks on Oscilloscopes and Tuned Circuits
Naval Reserve Center, Old French Rd. - 8 p.m.
March 22 - News Letter Staff needs your help. R. C. Bldg. 8 p.m.

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN, BY FAR.....

The Radio Association of Erie, Inc.
Post Office Box 844
Erie, Pennsylvania 16512

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ERIE, PA.
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THIRD CLASS

ARE YOU ONE OF THE 1973 MEMBERS ? WHY NOT JOIN TODAY !

RAE MINUTES

February 1, 1973

The meeting was called to order at 8:05 PM by K3QAY.
Officers present: K3QAY, K3NAU, WA3HSR, and WA3EAY.
Directors present: K3VLP, WA3HSR, W3NFM, WA3MAU, and W3SN.
The minutes of the January meeting were approved as read.
The treasurer indicated a balance of \$353.92. A motion to pay all new bills was heard and approved.

CORRESPONDENCE

- 1) Bill from James Carter Insurance Company for \$29.00.
- 2) Receipt for payment of Bulk Mailing Permit.
- 3) Exxon credit card.
- 4) Letter from Herbst Jewelers for Central Mall display.
- 5) ECARS MONITOR.
- 6) ARRL resolution adopted by ARRL Board.
- 7) Repeater Bulletin.
- 8) New 1973 memberships

COMMITTEES

QUA-RAE - WA3HDK reported that the February issue would be put together this weekend and mailed. Bob reminded all that the deadline for the March issue was February 15.

CD - WA3HSR reported that the SET traffic total were as follows:
Originated, 89; Received, 37; Relayed, 35; Delivered, 1; Total = 162.
Mike also reminded all at the meeting of the change in frequency of the LEEN to 29.000 MHz with 29.150 remaining as an alternate.
New and renewed AEC appointments included K3WTZ, 2 FM; K3VBF, 10 AM; K3NAU, 2 FM; and K3VLP, 75 SSB and 10 AM.

Repeater - K3QAY reported that the power supply and amplifier were almost ready to go. Brownie also reported that the temporary receiver site test at WA3HDKs was hampered by poor sensitivity in the TPL.

ARRL - K3QAY read a passage out of February QST honoring the clubs who sacrificed Field Day to help with Agnes; the RAE was among those listed.

HAMFEST AND AUCTION - WA3HDK and K3VLP reported that the location for both events had not yet been finalized.

ACTIVITIES - K3NAU reminded all members of the upcoming tour of the facilities of WQLN-FM beginning at 8:00 PM on February 15.

NETS - WA3HSR reminded those present of the change in frequency on LEEN from 29.150 to 29.000 MHz with .150 retained as alternate.
K3QAY advised that the clubs TVI committee consisted of K3QAY, W3ALD, and W3YWL.

OLD BUSINESS

K3VLP reported favorable results using a Webster Bandspanner on the COM truck and indicated that its purchase was warranted. George moved, "that the club buy the antenna from K3NAU for \$25.00." The motion was carried.

EC REPORTS ON 1973 SET

With the 1973 Simulated Emergency Test over, it can be said that although Amateurs of Erie say that they are prepared for an emergency, a very few are willing to participate in drills designed to prepare them for such a situation. The simulated emergency drill set for Saturday morning was attended by only two mobile units and was all but worthless; the six meter hospital net which could have added immeasurable reality and coordination to the drill was not activated (last used in SET 1971); and the few fixed stations who bothered to check into any of the three local nets didn't originate any traffic. This display of amateur apathy will someday surface not only before the local community, but also before the entire nation if local operator's are plunged into an emergency situation in which they can provide an important communication's link; and fail to do so because they were either too busy, too lazy, or too unconcerned about preparing for "what can never happen here."

On the brighter side of the 1973 SET, it was decided to involve the public and increase their awareness of what amateur radio operators can offer to them a message collection center was established at the Central Mall and messages were accepted from the public, written up in proper form, relayed to the EOC via two meters; and plugged into the National Traffic System through various nets. The traffic total amassed by W3GV was:

Originated	89
Received	35
Relayed	37
Delivered	<u>1</u>
	162

Although this total is not spectacular, it is significant because this was our first attempt at involving the public with an amateur drill. It is my hope as EC to set up these collection weekends at various times throughout the year. The many amateurs who did help with this traffic handling effort, received an im-

mense amount of practical and useful experience. I would like to extend my personal thanks to all of the local hams who helped, in any way with this year's SET.

* * *

In related news, the new ST-5 Terminal Unit for the COM Truck is undergoing its final tests. K3VLP and WA3HSR tested two types of mobile antennas on the COM Truck recently, finding that the Webster "Bandspanner" seemed to work out relatively well on 75 and 40 meter SSB during high QRM condition's. The Hustler was not measureably better and the recommendation to purchase the "Bandspanner" was made. The RAE did, and now we have a good all-band mobile and quick set-up portable antenna.

Efficiency seems to be picking up at the EOC. An intercom system has been installed between the two meter station in the police room and the main radio room, the TR-4 is in working order, a new 10 meter ground plane will soon be installed, and the Invader's smoke has thinned somewhat. This spring promises to be constructive at both the EOC and within the COM Truck. An HA-410 is being sought for the truck and it will be used much more extensively on transmitter hunts, club functions, and community affairs.

With all this activity ready to we hope to find new buds in our garden of amateurs to help cultivate the corn. 73s

Mike WA3HSR

P.S. Don't forget LEEN moves to 29.MC on March 4.

WA3KAI - Chuck is kept hopping while his XYL Dottie is recovering from a broken ankle.

WA3HLN - Thanks to John for showing us through WQLN-FM/TV.

W3PIX WORKS ARRL DX CONTEST

Each February while John Q. Public watches for groundhog to emerge from its lair, a special breed of Radio Amateur retreats to his den to hibernate for forty-eight hours to take part in the annual A.R.R.L. D.X. contest. This year as I have done for the past five or six years I took another crack at the D.X. rat race to see what kind of a score I could pile up for the old Western Pennsylvania section. We thought conditions were bad last year but this year they were so poor that it almost was not worth the effort of getting in to the contest. Not being one to be turned off by adversity we unplugged the TR22, so we would not be tempted to kibitz on two meters, propped up the cover picture on the front of Wayne Green's February issue of 73 and set out to work D.X.

I have found a definite pattern has emerged in these contests and expected to follow this procedure as we have in other years. Friday night at 0000 we go to ten meters and usually work till about 0200 picking up KH6's, JA's and a few other Pacific Island. This year ten meters was totally dead. After 0200 we move to fifteen meters for about two hours of Central and South America and QRT till 0800 Saturday morning. At this time we go back to ten meters and hunt 28.6 megs till the band opens to Europe. Most of the score for the whole contest will be logged in the next three or four hours. By late afternoon we usually have everything we can work from ten meters and we switch to fifteen and twenty to get a few more Pacific stations. Sunday is usually a carbon copy of Saturday as far as moving from band to band, but by now it is difficult to find stations you have not all ready worked.

This year we found that fifteen meters had the only really good band opening to Europe, but the stations were only workable about two hours each day. Late Saturday afternoon even fifteen meters went dead for about a half hour (except for a direct pipeline into VP7 land) and after this dead spell we were able to

add a few more South American and Caribbean contacts to our score.

Sunday was fair to Europe and good to South and Central America all afternoon. The usual KH6's were there to wind up the day but I only heard one JA.

Some of the other local fellows we ran across in the pile ups having about the same luck as myself were, W3YX, WA3DJT, W3AFO, W3ERB, and our old friend K3VXE/7. For all this work we only piled up eight thousand points and this is almost 70,000 short of last year! I am certain we were all working under the same handicap so we have our job cut out for us during the March contest weekend.

One interesting thing that happened during the contest was the QSO with HI8XVM. He had in his shack ten students and their teacher from McDowell High School here in Erie. I was able to call each student's parents and let them know they had arrived safely in Santo Domingo. I also made arrangements to run phone patches for them the following Sunday. Needless to say all parties were very pleased.

I don't know if this type of operating would appeal to all Radio Amateurs, but if you are looking for a change of pace, glue your hand to a microphone or a key and try this phase of the hobby on March 3 and 4. Try it you might like it! See you in the pile ups.

Dick Shreve, W3P C

K3PAJ - Frank will be getting the bugs out of his new receiver (R-4B) in the near future.

W3KPJ - Hank is being kept busy as WPA SEC with many SET messages.

K3VLP - George may soon be turning a home brew beam on forty.

W3PIX - Dick enjoys browsing in his old QST's from the 1930's.

QUALITY NOT QUANTITY AT WQLN

The February activity meeting was held at WQLN studios. Those attending received a tour of the new FM station controls, the FM and TV transmitters, and the TV control rooms.

WQLN is stressing quality in signal not quantity of signal. This is noticeable in the quality of their stereo FM programming. The station is the seventh educational one in Pennsylvania and covers the largest population of the seven. Using a large circular radiating pattern and a lower than normal percentage of modulation gives them their large area coverage and good quality in music.

WQLN FM controls are capable of handling the new 4 channel sound (although they have no immediate plans to transmit 4 channel stereo). They are, however, making plans to add SCA (subcarrier allocation) programming for the use of the blind. Included in this programming will be talking books and similar programs.

The WQLN TV transmitters are 50,000 watts of video power and 5,000 watts of audio power. WQLN TV also has the only two-way microwave system in the Erie area. This system can receive network programming and initiate its own program into the network at the same time.

Upon leaving WQLN, (and having enjoyed the visit) I had some questions for Erie area HAMS.

1. Are we doing as much as we can to support this tool of the community, no matter how big or small our support can be.

2. Are the Erie HAMS big enough to use WQLN to stimulate interest in radio by setting up some programming.

3. Could the Erie hams help the blind as a public service by helping with SCA programming. When SCA gets going, there will be a lot of people depending on their SCA equipment that could use our help.

WA3EZN, Dave

FEBRUARY TRANSMITTER HUNT

The February hunt was the best-attended transmitter hunt in over a year. George K3VLP, who hid for Rick, WA3ISN, picked a spot where a good Mobile Activities Committee meeting could be held afterwards. Four mobiles began scouting the countryside from Girard to Southeast Erie. K3PLV, WA3ISN, W3HLM, and WA3HSR strained to hear the weak and distorted AM signal from K3VLP. Don, who is accustomed to hidden sites east of Erie, began speeding for the area when he noticed George's signal drop east of Fairview. Don, still several miles closer than the others turned back and plunged on. Rick, WA3ISN couldn't hear George but Craig, K3PLV relayed the clues to him and WA3HSR who got a late start. W3HLM was the first to swoop down on the site as his super-snooper loop did its job well, K3PLV was in the area but WA3ISN and WA3HSR were still trying to figure out west and east. After traveling over many private roads and driveways, Craig finally pulled into the site. He had to leave the mobile running because of a bad starter though. By now Don had taken over the frequency with good quality AM while Rick and Mike soon met each other on a deserted road. Rick stopped to take a bearing while Mike sped on until a few blocks later he stumbled onto the site just a few moments ahead of WA3ISN. The site was nestled among the trees and snowdrifts at the QTH of Doc Baxter, W3YWL. Doc who pulled the ten meter rig out of the car some time ago was impressed with the activity and will try to be in the running next month with a mobile. The group then settled down for some refreshments and an informal committee meeting. The next hunt will be on March 18 beginning at 6:30 PM on 29.000 MHZ. Please note this frequency change along with LEEN. See you there.

Mike WA3HSR

W3KPM - Tom will be in Florida for a month sizing up new property.

WA3AWB - Bing was busy during SET taking traffic in his mobile.

MERET NET ESTABLISHED

Perhaps it is the obvious that we sometimes fail to see, and yet occasionally one of us gets hit on the head by the obvious and "sees the light"! I don't really know if that is the way it really was, but I did come up with a brainstorm one day, called the MERET Network.

MERET is an acronym for the Metropolitan Erie Radio Emergency Team. At this moment I am including all three "local" nets on Ten, Six, and the new Two-meter FM net, with the ultimate goal of including possibly any of the other disaster or emergency communications services in the area besides amateur radio.

The purpose of the network will be to provide an emergency traffic network in the Greater Erie area, linking the several nets into a singular active group, combining the varied interests and communication capabilities of a great number of stations who check into these nets. Of practical routing purposes for the MERET Network, will be the ability to pass routine pieces of traffic to different stations who regularly check-in to state and national traffic nets. Additionally, announcements of interest to amateur's in the area would be guaranteed maximum coverage to active amateur.

The nets would also encourage it's members to actively monitor the net frequency with calling periods established on the hour and half hour, to maximize the chances of getting an answer to a CQ the first time around, instead of calling for twenty minutes, turn your rig off and find out the next day that your buddy came on the air just minutes after you signed off in despair. A simple gentleman's agreement here could increase your operating pleasure many times over.

It should be established as a standard operating procedure that whenever there is bad weather such as fog, heavy rains or snow storms, the net members would automatically tune in the net frequency

and start the net, keeping all those on the frequency informed of what mobiles are known to be out and on frequency, and supply updates on the latest developments in the weather and where the mobiles are. It surely is comforting to know someone is in there to help you out in case of trouble, not to mention helping to pass the time ragchewing.

Another possibility for the network is providing communications for local civic affairs such as snowmobile races, or yacht races on the bay; or acting as part of the annual "rat patrol." Certainly this could be not only a lot of fun, but good practice in practical traffic handling, yet at the same time let you get out and see what the other guy does for excitement!

In order to maximize the effectiveness of the network, I would suggest we readjust the net so all are meeting together: Eight Thirty P. M. on Sunday night. I suggest this time for several reasons. First, there is an already established two meter net in Western New York State through the Dunkirk, N.Y. repeater, and a realistic possibility of another two meter net in the Meadville area through their repeater. I have contacted stations in both areas and found them very interested in cooperative with us.

Secondly, this would mean five nets operating in Western Pennsylvania and Western New York States with a total number of checking routinely exceeding fifty in number. Combined with stations acting as liaisons on the side between the different nets, a fantastic network would be the result. Consider the potential of such a system, and what it could do for amateur radio in this area.

Starting this April, by agreement of all four nets will meet at 8:30 PM, on Sunday nights for a one month trial period to evaluate the effectiveness of the proposed system. Details on how the

continued on page 8

RAE MINUTES

January 4, 1973

The meeting was called to order at 8:12 PM by K3QAY.

Officers present: K3QAY, K3NAU, WA3HSR, and WA3EAY.

Directors present: K3VLP, W3SN, WA3MAU, K3HFL, W3NFM, and WA3HSR.

The minutes of the December meeting were approved.

The treasurers report indicated a balance of \$374.92. A motion to pay the new bills was heard and carried.

CORRESPONDENCE

- 1) Bill for Bulk Mailing Permit continuation for \$30.00
- 2) Several new 1973 memberships.
- 3) Christmas card from Fred Tate, WA7SNT.
- 4) Invoice from HAL Communications for ST-5 purchase.
- 5) ARRL dues from K3QHO
- 6) Spec sheet on SWAN mobile antennas.

COMMITTEES

QUA-RAE - WA3HDK reported that the January issue would be assembled tonight. Bob reported that the issue was small due to the lack of contributions. The deadline for the February issue is January 15 and a QUA-RAE staff meeting is set for January 25 at the Red Cross Bldg.

REPEATER - K3QAY reported that new transmitter equipment was being assembled and that a recent work party had installed the ceiling in and cleaned out the receiver shack.

BOARD - WA3HSR read a list of committee appointments made at the Board meetings:
Property Officer - Joe Mieczkowski, WA3MAU
Audit Committee - Bob Bair, WA3HDK
Joe Mieczkowski, WA3MAU
Budget Committee-(1974) - Marty Brown, WA3EAY
Chuck Lewis, K3ATZ
Dick Conley, W3NFM

AUCTION - WA3HDK and K3VLP advised that the Auction date had been changed to May 5 (Saturday) because of conflict with the Dayton Hamvention. Bob reported that a final location was still being sought.

HAMFEST - K3VLP lead a discussion with those present as to what type of Hamfest they would like and different types of main door prizes to get for the affair. Most members present agreed that a flea market was a desirable thing along with a dinner. Bud Wilson, K3HFL agreed to check some locations for the affair.

ACTIVITIES - K3NAU listed the following activities planned so far:
January 18, 1973 - Weather Service Tour; 8:00 PM.
February 15, 1973 - WQLN-FM station Tour; 8:00 PM.
March 15, 1973 - Talk on uses and operations of Oscilloscopes; 8:00 PM
Naval Reserve Center, by K3HFL.
April or May - Ray Eller on Radolite design and operations.
Later - Tour of Hamot Medical Center "Medicine and Electronics".
WA3HSR then discussed SET plans for traffic generation of January 27 and 28 Jack Thompson agreed to check out amateur displays possibilities at the Erie Central Mall.

Continued on page 8

JANUARY MINUTES (CONT.)

NETS - K3NAU informed members of the formation of the MERET System. The Metropolitan Erie Radio Emergency Team is designed to link the three Sunday night nets together to provide a more efficient means of traffic handling. Chuck hoped that in the future all three nets could meet at the same time on Sundays to promote more traffic passage between the nets. WA3HSR reported that a poll was taken on Sunday night (12/31) of LEEN members about moving the net down to 29.000 MHz with 13 in favor and one objection. Mike says the move may be as early as February.

OLD BUSINESS

WA3HSR passed around the spec sheet on SWAN mobile antennas for members comments. General feeling was that the remote control tuning feature was not what was expected and did not justify spending a large sum. The Mobile Activities Committee agreed that they would try different mobile antennas on the COM truck during the month and report their results and make recommendations at the February meeting.

NEW BUSINESS

It was reported that the father of Jim Rose, WA3FFD had passed away and RAE had sent flowers.

K3NAU reported that the contact Program on WYN was receptive to the idea of having amateur radio representatives on the air to talk over reported TVI problems with callers. K3QAY and K3WTZ were recommended.

A motion for adjournment was heard at 9:56 PM and was carried.

Respectfully submitted
Micheal D. Hall WA3HSR
Secretary, RAE

K3HFL - Bud is preparing for his March activities talk on the uses of oscilloscopes.

FEB. RAE MIN. (CONT.)

NEW BUSINESS

WA3HDK read and introduced a midwestern CB publication suggesting the violation of FCC rules by CBers and proposing a new 100 channel band from just above 26 to just above 28 MHz.

WA3HSR advised that he would notify the ARRL of the pending frequency change of the LEEN and also get a Net Directory for club use.

WA3HSR reported that the Red Cross was unhappy with the condition of the meeting room last month and recommended a better clean-up be given this month and in the future.

K3VLP discussed possible bus trips for members to the Hamfest at Rochester and Warren, Ohio. It was advised that the cost would be about \$6.50 per person. After some discussion, it was generally agreed that the trip should be planned for the Warren Hamfest this September or August because of the closer distance and more time allowed at the affair. More on this later.

Motion for adjournment was heard at 9:50 PM and was carried.

Respectfully submitted,
Michael D. Hall WA3HSR
Secretary, RAE

MERET NET (continued)

nets will be conducted will be announced by net managers over their respective nets in advance. Your cooperation in this test period will be appreciated, and your comments and criticisms will be encouraged.

K3NAU, Charlie

K3WTZ - Bob has been kept busy improving the WA3KXD repeater.

K3NAU - Charlie is busy helping the Meadville (CARS) gang with their repeater adventure.

Official Bulletin NR 410
January 19, 1973

The Board of Directors of the American Radio Relay League met in Hartford, CT, January 18 and 19 for two days of intensive evaluation of amateur radio matters in general and League affairs in particular.

A major action was the unanimous adoption of a resolution expressing deep concern over the apparent trend toward restrictive regulations characteristic of recent FCC actions. Directors reported strongly adverse membership reaction to changes in amateur rules, especially in the areas of repeater operation, message traffic handling, and phone band suballocations. The Board directed League officers to undertake a vigorous program to seek reasonable philosophies of regulation and interpretations, conferring as necessary with appropriate government agencies for the purpose of assuring the continued availability of traditional latitudes and freedoms and the full public service capabilities essential for the welfare of the Amateur Radio Service.

Looking some years ahead, the Board assigned to the New International Affairs Committee the task of updating and formulating more detailed plans for representation of Amateur Radio at an eventual High Frequency World Radio Allocations Conference.

The Board chose Amsat to receive the Technical Merit Award, paralleling a similar action to project Oscar several years ago. Administrative support was again voted for Amsat, with ARRL assuming responsibility for Educational, Public Relations, and International promotional aspects of Amateur Space Communication. Study will be made of a Space Tracking Station Installation at League Headquarters.

An evaluation of amateur performance in providing emergency communications during recent disasters prompted the for-

mation of an Emergency Communications Advisory Committee. Its task is a study of frequency plans, as well as duty assignments at Headquarters, seeking improved emergency communications capabilities. The responsibilities of Section Communications Managers were expanded to include voluntary activities in the area of public relations, clubs, recruitment and training.

The Board approved specific goals and objectives submitted by the president and by the general manager. It re-elected the present directors on the executive committee, Messrs Clark, Eaton, Griggs, and Thurston. The Board additionally directed a study of the league organizational structure, including duties and responsibilities of the President.

Minutes of the meeting will appear in March QST. AR

From RTTY copy by Jerry, K3KAP

DECEMBER TRANSMITTER HUNT

For the December hunt a theme was used by WA3HSR - "I'm stuck on this lonely, deserted road; don't know where I am, and you good samaritans are trying to find me." The 12 inch snowfall of the preceeding day almost made that theme true. Craig, K3PLV, veteran transmitter hunter and newcomer Rich, WA3LSY, made the scene in December. Only clues given were that the location was west of I-79, north of I-90, and south of Rt. 5. Craig K3PLV began making his way early, at 6:30 PM and soon became rather strong. Rich, WA3LSY, didn't show up on the scene until 6:50 PM and then he was at 38th and McClelland Avenue. Not even WA3HSR knew the name of the road he was on so this hunt rapidly became one of the most practical mobile tests in recent months. While Craig and Rich made their way through the Kalamazoo Club area, Mike was busy explaining to snowmobilers that he was not a plainclothes State cop and wasn't going to arrest them for riding in the street. As the area left to be

Continued on page 10

covered got smaller and smaller, both mobiles made all turns and covered every road they could. Finally about 7:30 PM Craig won the race to the stranded mobile. Rich was still driving around uncovering some old parking places but didn't come upon the site until 7:50 PM. Rich thought that he had already been on that road before. The actual site still hasn't been pinpointed but it was near the old Willow Brook dance barn in Fairview township near I-90 and Millfair Rd. area. Craig, K3PLV wins the right to hide in January and newcomer Rich will be trying to avenge his first loss. Don W3HLM may also be out and whatever happened to WA3LSY? See you there next month for more fun.

Mike, WA3HSR

WA3LSY - Newcomer on transmitter hunts, Rick sewed up the January fest in fine style.

WA3SLX - Ray now sporting as SWAN SSB rig, will be off LEEN until his SWR comes down.

FOR SALE: Heathkit Sixer, Xtls for 50.4 and 50.52. 4 element, 6m Beam, Lou Cioccio, Ex-K3OUK 454-7995

FOR SALE: Lafayette HA-460 6M Transceiver. VFO and XTAL (50.52). 20 watts 117 volts or 12VDC. Steve Brzezinski 755 E. 9th st. Erie, PA 16503. Phone 456-1876. (WA3EBV)

WANTED: Latest Swan 250-C with P.S. and Accessories. R.Z. Talbot K3HHT, 2920 East 33 Street, 16510. Phone 899-6486

WANTED: Your old Ham Magazines for Club Fund-Raising Campaign. Write RAE Funds, Box 844, Erie PA. 16512, or Call Mike, WA3HSR, 833-9649, George, 833-7082, or Bob, 725-9226.

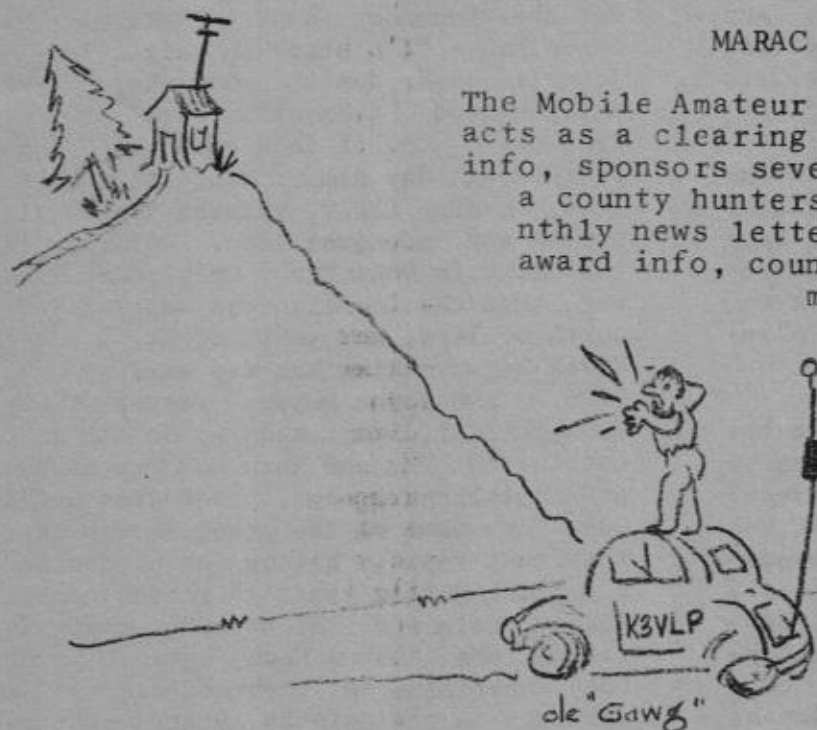
W3VG - Said to be readying for county expedition's this spring.

W3YWL - Doc is looking for help as Field Day Chairman this June.

MARAC

The Mobile Amateur Radio Awards Club, Inc. acts as a clearing house for county hunter info, sponsors several mobile awards and a county hunters contest, publishes monthly news letter for members containing award info, county hunting expeditions, member's letters, new

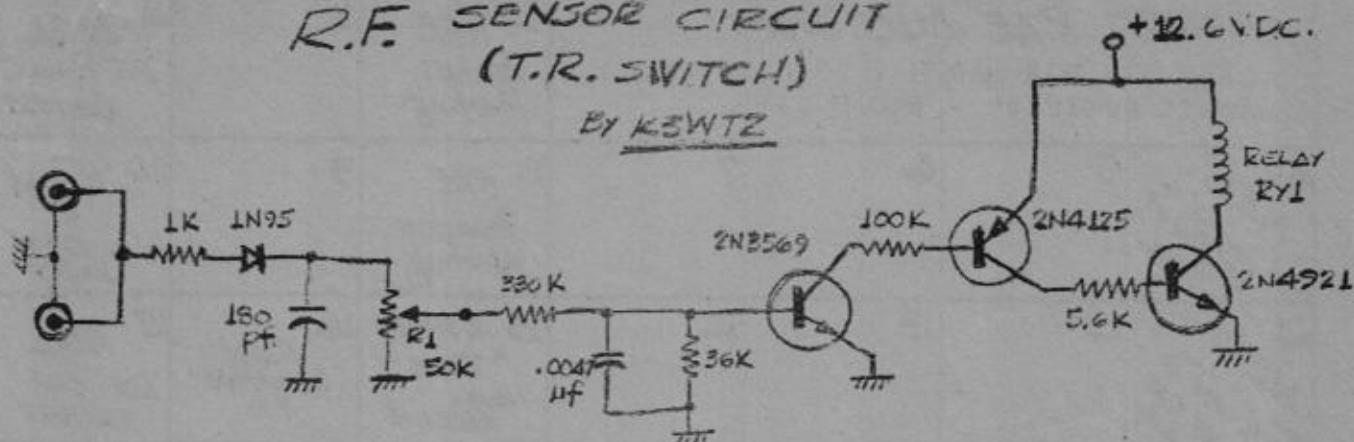
member listing, address changes, QSL info, etc. Dues are \$3 per year (includes n/1). Further info, send business size SASE with 24¢ postage to: WA4BMC, P O Box 6811, Southboro Stn. W. Palm Beach, PA 33405.



Sure my signal is weak! The transmitter is OUT!

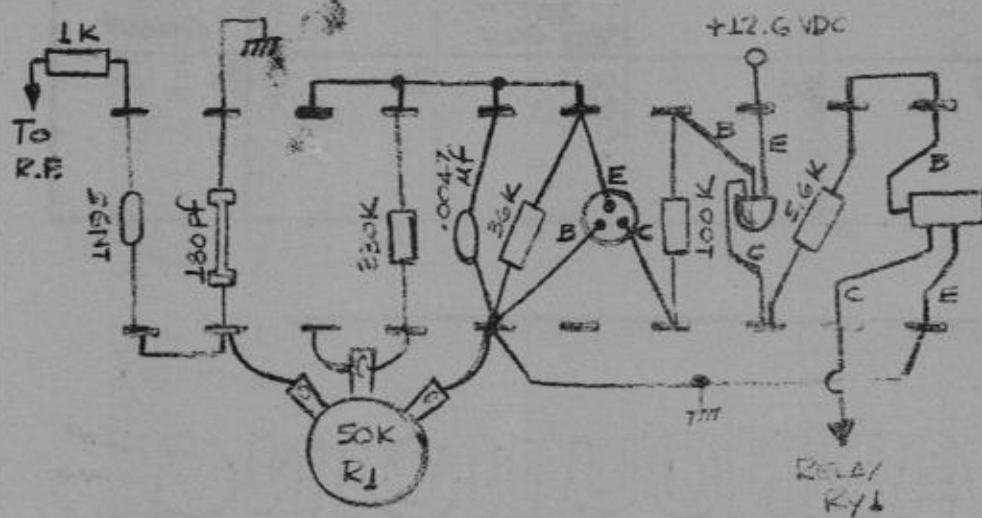
R.F. SENSOR CIRCUIT (T.R. SWITCH)

By K3WTZ



NOTES:

1. OFF/ON THRESHOLD - 5% Δ WATS.
2. R₁ ADJUSTS THRESHOLD 1.5 TO 50 WATS
3. RY1 100md. 12VDC COIL
4. 12.6VDC REQUIRES >5% REGULATION DURING OFF/ON SWITCHING.



NO. 373

RAE TECHNICIAN

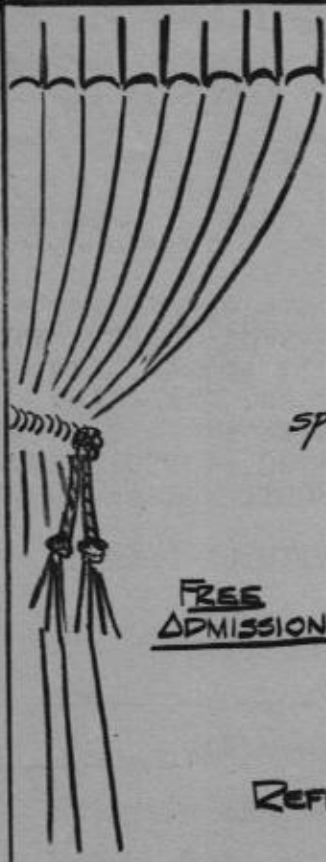
The following have added their \$1.50 to the kitty and have become members of Erie's most experienced Radio club. This list is current to February 25, 1973. If you sent in your dues but your call doesn't appear here (or in the list in last month's QUA-RAE, contact Chuck Manross, Membership Chairman, RAE, P O Box 844, Erie 16512. (455-8829). Here's the list-- in no particular order: WA3SEA, W3ZB, K3WOL, W3TXZ, K3SBU, K3NSU, WA3MKT, WA3LSY, K3ZGG, WA3PVI, K3PAJ, WN3MTS, W3KPH, W3DKL, WA3UET. Welcome guys.

IF YOU HAVEN'T JOINED YET, SEND \$1.50 (address above) WITHOUT DELAY!
Include a letter if you like, or send form below.

Name _____ Call _____
Address _____ City _____ State/ZIP _____
Phone _____ ARRL Member yes () no ()

WIAWCT 1775

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
JUNE 9 th RAE AUCTION LEEN NCS FOR MARCH - K3PCI - John April Activity - RAD-O-LITE				1 RAE Business Meeting	2	3 ARRL DX PHONE CONTEST.
4 NETS DX PHONE ARRL	5	6	7	8 RAE Reporter Meeting.	9	10 YL-OM & Vd. QSO PARTY
11 NETS YL-OM & Vd. QSO PARTY	12	13	14	15 K3HFL "TALK" NAVAL RESERVE	16 WIAW QUALIFYING RUN.	17 ARRL DX CW CONTEST
18 NETS DX "CW" ARRL	19	20	21	22 NEWS- LETTER STAFF MEETING RED CROSS	23	24 TARC Phone Contest
25 NETS	26 WIAW MORNING QUALIFYING RUN.	27	28	29	30	31



ANNOUNCING

Our annual Auction

sponsored BY THE RADIO ASS'N. OF ERIE

- on -

SATURDAY • JUNE 9th 1973

at

WALDAMEER PARK

FREE
ADMISSION

FREE
PARKING

SETUP TIME - 9 AM

AUCTION TIME - 10 AM

REFRESHMENTS WILL BE AVAILABLE (MORE DETAILS LATER)